

ABSTRACT

There is provided a method for precisely quantitating a substrate by means of a measurement system with a simple structure without occurrence of a measurement error due to an interfering substance. In a method for quantitating a substrate in a sample solution which contains a dissolved interfering substance and the substrate, by the use of an electrode system and a reagent system, (a) a sample solution which contains a dissolved interfering substance and a substrate is supplied to an electrode system comprising a working electrode and a counter electrode under the existence of a reagent system comprising oxidoreductase and an electron mediator; (b) an AC potential is applied to the working electrode, to cause a redox reaction of the electron mediator; (c) an electric signal produced on the basis of the redox reaction is measured by means of the electrode system; and (d) the substrate is quantitated on the basis of the electric signal.